

Laney College
Vocational Training Department

Course Name:	Technical Math for Electricians-3 Units
Course Number/Code:	E/ET 204
Class Meeting Days/Times:	Monday and Wednesday, 3:30 pm to 4:50 pm, Rm. B130.
Suggested Preparation:	Arithmetic and elementary algebra.
Course Description:	This course is designed to provide beginning electrical students with skills in mathematics using electrical quantities and nomenclature in word problems. The course begins with basic arithmetic and progresses through algebra and trigonometry. The material taught is universal and provides a concrete background for any future electrical pursuits.
Student Learning Outcome:	Solve mathematical problems pertaining to electrical quantities and values using Ohm's and Kirchoff's laws. Solve algebraic and trigonometric equations to solve for typical electrical circuit measurements as they apply to the course content. Interpret electrical circuit-data in graphs in rectangular coordinate systems.
Instructor:	Steve Weldon
Office Location & Phone:	Room B120; (510) 464-3283
Office Hours:	Monday through Thursday, 11am until 3:30 pm
Email:	stweldon@peralta.edu
Required Textbook:	Herman, Stephen. <u>Practical Problems in Mathematics for Electricians. Eighth Edition.</u> Clifton Park, NY: Thomas Delmar Learning, 2008 ISBN 10-4283-2401-1
Required Supplies:	Notebook, writing implement, & calculator. Texas Instruments TI-30XA- a must !!!!!!!
Required Tools:	None.
Grading Policy:	Homework, Quizzes, Final, & Class Participation = Course Grade
Attendance Policy:	Students absent four class days will have their overall course grade reduced a grade level. Class begins promptly 5 minutes after the hour and roll-call will be taken once. Students must also sign-in every class.
Withdrawal:	1. It is the responsibility of the student to withdraw (drop) from a class to receive a refund. 2. A student who quits attending after the designated period will receive a letter grade (an "F") on their permanent record.

Attend every class session. Read the book and answer end-of-chapter questions before coming to class. Be prepared to discuss the information and actively participate. Class starts on August 24, Class ends on December 16. Good Fortune!