

Laney College
Vocational Training Department

Course Name:	Commercial Electrical Wiring-3 Units
Course Number/Code:	E/ET 218
Class Meeting Days/Times:	Monday and Wednesday, 6:30 p.m. to 8:50 p.m.
Suggested Preparation:	Basic Electricity, Algebra.
Course Description:	Theory and lab on commercial electrical wiring. Learn hands-on pipe bending, wire pulling, box and fitting installation, wire splicing, and metallic cable installation. Learn basic switching and receptacle circuits using 120-volt power in the lab. Branch circuits, beginning motor control, and power distribution. Begin learning the National Electrical Code and how it is applied to everyday commercial electrical installations. Provide information on State of California Licensing and preparation for apprenticeship testing and interviews. Class goals: to provide students with ability to work on their own residential projects safely and to do the work to code. b) to allow students to expand upon their already existing trades skills by adding hands-on and theoretical knowledge of electrical wiring to their resumes. c) to prepare students to enter electrical apprenticeship programs with knowledge that will put them further up the final applicant list than others competing for the same openings.
Instructor:	Steve Weldon
Office Location & Phone:	Room B120; (510) 464-3283 (don't leave a message, keep calling)
Office Hours:	Monday, 2pm to 3pm
Email	stweldon@peralta.edu (best way to get me)
Required Textbook:	Mullin & Smith. <u>Electrical Wiring Commercial, 13th Edition</u> Clifton Park, NY: Thomson Delmar Learning, 2008 ISBN-13: 978-1-4354-3912-2 or ISBN-10: 1-4354-3912-0
Required Supplies:	Note taking paper and writing implement.
Required Tools:	Straight blade screwdriver, "lineman's pliers", wire stripper for #14, 12, & 10 AWG, and a 12' (minimum) tape measure.
Grading Policy:	Quizzes (25%) Hands-on performance Assessments (50%) = Course Grade Final test (25%)
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 instructions will be given only once.
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 assignments before coming to class. Be prepared to discuss the information and actively participate.
Class starts on January 25 & Class ends May 19-Good Fortune!