## Course Information A/C 6

**Catalog Description:** This course explores control system theory, electrical components, and complex control systems with emphasis on supervisory control systems which employ direct digital, proportional and integral control modes. Theoretical problems and practical lab experience needed to diagnose electrical problems and safety to make the necessary repairs are emphasized The course provides a foundation in the skills required to analyze and service basic circuits as well as complex analog control circuitry.

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Text: Electricity For HVACR

By Joseph Moravek

**Lecture:** 8:00-11:20 **TTH Lab:** 11:30-2:30 **TTH** 

**SLO Statement:** After reading the textbook and participating in class discussions, students will apply their knowledge of appropriate lab practices, concepts and theories by observing and testing the proper operation of an air conditioning electrical control relay.

Materials: Office Pen, Pencil, Paper

**Hours:** 7:30-8:00

**Grading:** Attendance 25%

Lab Assignments 25% Test & Quizzes 25% Final Exam 25%

**Note:** If you choose to drop out of class, it will be your

responsibility or you will be given an "F" grade at the end

of the semester.

Attendance: As in the working world of employment, attendance is a requirement

for this class. El Camino College attendance policy states: any student who is absent more than the number of units for the class shall be dropped from the class. This is the equivalent to being let go

by your employer for excessive absences.

# Course **Outline** A/C 6

### Course Introduction and Orientation

### Safety Test

<u>UNIT</u>		<u>Page</u>
1	What You Need to Know to Understand Electricity	1
8	Transformers	123
9	Relays, Contactors, and Motor Starters	136
11	Thermostats	164
12	Pressure Switches	192
13	Miscellaneous Electrical Components	214

#### **Note:**

You will be responsible to answer the questions at the end of each chapter. Quizzes will be given often and no make-ups. Chapter test will be given at the end of each chapter. You will be able to use any notes you have taken for the test.