

Introduction to Electronics 2024

AT CISCO COLLEGE, ABILENE

Session	Date	Topic
1	8/10	Batteries, Lamps, Open/Complete Circuits, Meters, AC/DC Volts, Amps and Watts
2	8/17	Resistors, Lamps, Switches, Series and Parallel Circuits
3	8/24	Capacitors and Inductors with RC, RL and LC circuits and filters
4	9/7	Transistors as a digital (switch) and an analog (amplifier) component
5	9/14	Signals AC, Signal Generators, AF and RF Oscillators (transistor and IC based)
6	9/21	Diodes and Detectors (Modulated Signal Input -> Modulation Output), AC Power Supply (Transformer, Rectifiers, Filter, Regulator (LM7805))
7	9/28	AM Radio Receiver (RF -> Mixer/Osc -> IF Amp -> Detector -> Audio Amp -> Speaker (audio out))
8	10/5	Transmitters/Transceivers/Receivers and Antennas (1/4 wave vertical and 1/2 wave dipole)

SATURDAYS FROM 1 PM TO 5 PM– No Class Labor Day Weekend



FREE CLASS FOR THOSE WANTING HANDS ON LEARNING OF BASIC ELECTRONIC PRINCIPLES, ALL MATERIALS PROVIDED

Sign up by sending an email to math@myrancho.net You will receive a reply giving the room number when it is assigned. Math is kept to a minimum, +, -, * and / and calculators are welcome. Don't let math stop you. All students High School, College and beyond welcome.